

JAN 08 2002

11. SMDA Summary of Safety and Effectiveness - "510(k) Summary"A. Submitter Information**Sponsor:**

Microline, Inc.  
C/o Interactive Consulting  
70 Walnut Street  
Wellesley, MA 02481  
Tel: 781 239-8108  
Fax: 781 863-6488  
Contact Person: Dr. Jean-Luc Boulnois  
Date Prepared: November 5, 2001

**Manufacturer**

Microline, Inc.  
800-257-X Cummings Center  
Suite 157-X  
Beverly, MA 01915  
Tel: 978 922-9810  
Fax: 978 922-9209

B. Device Identification

Common/Usual Name: Laparoscopic Clip Cartridge with Implantable Titanium Clips Model M/L-10

Classified Name: Implantable Clip (74FZP), 21 CFR 878.4300, Class II

C. Identification of Predicate Device(s): Applied Medical and Ethicon EndosurgeryD. Device Description

The Microline Reusable Laparoscopic Clip Applier with Implantable Titanium Surgical Clips is a reusable instrument designed for use with a disposable clip cartridge that is advanced inside the clip applier shaft. The rotatable clip applier shaft is sized to fit through a 10mm trocar. The Microline Reusable Laparoscopic Clip Applier is sold with a pre-loaded clip cartridge which contains 19 rectangular implantable titanium single-use surgical clips (width 5.4mm) that can be applied one at a time after firing. Cartridge loading is performed through a slot located in the rear of the instrument, in line with the instrument's shaft. Cartridge loading and unloading can be performed in-vivo without removing the Clip Applier from the trocar.

E. Intended Use

The Microline Reusable Laparoscopic Clip Applier with Implantable Titanium Surgical Clips is intended for use to occlude vessels, ducts, tracts and other tubular structures during laparoscopic and general surgical procedures.

F. Technological Characteristics:

The Microline Reusable Laparoscopic Clip Applier with Implantable Titanium Surgical Clips shares the same technological characteristics as the predicate devices in that they are comprised of similar design, materials, and intended use.

G. Conclusion of Substantial Equivalence

The Microline Reusable Laparoscopic Clip Applier with Implantable Titanium Surgical Clips has the same intended use and the same basic technology as the predicates identified in the Premarket Notification Submission. The Microline Reusable Laparoscopic Clip Applier with Implantable Titanium Surgical Clips contain in some combination similar features, materials, and design as the predicates and does not pose any new questions concerning safety and effectiveness.



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

JAN 08 2002

Microline, Inc.  
c/o Ms. Jacqueline E. Masse  
Senior Consultant  
Interactive Consulting  
70 Walnut Street  
Wellesley, Massachusetts 02481

Re: K013695

Trade/Device Name: Microline Reusable Laparoscopic Clip Applier  
Regulation Number: 21 CFR 878.4300  
Regulation Name: Implantable Clip  
Regulatory Class: Class II  
Product Code: FZP  
Dated: November 05, 2001  
Received: November 07, 2001

Dear Ms. Masse:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4659. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,



Neil R. Ogden

Celia M. Witten, Ph.D., M.D.

Director

Division of General, Restorative  
and Neurological Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

510(k) Number (if known): K013695

Device Name: Microline Reusable Laparoscopic Clip Applier with Single  
Use Titanium Clips Model M/L-10

**Indications For Use:**

To occlude and ligate vessels, ducts, tracts, and other tubular structures during  
Laparoscopic and general surgical procedures

(PLEASE DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE IF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

NKO for cmw  
(Division Sign-Off)

Division of General, Restorative  
and Neurological Devices

510(k) Number K013695

Prescription Use ☒  
(Per 21 CFR 801.109)

OR

Over-The-Counter Use \_\_\_\_\_

(Optional Format 1-2-96)